The Hysteresis of Trust: Navigating the Post-Fail-Safe Epoch of Civilizational Decay

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As we move through 2026, the global social contract is no longer merely strained; it has entered a state of structural hysteresis. This paper argues that the foundational pillars of modern civilization—Truth, Justice, Fair Exchange, and Predictability—have surpassed their critical fail-safe points. When systemic lying, cheating, and stealing transition from peripheral deviancy to core institutional strategy, a society moves into a "Veneer Phase." In this state, the outward aesthetic of order remains while the internal mechanisms of cooperation have dissolved. This analysis explores the mathematical "Trust Threshold" through the lens of game theory and historical precedents like the Late Roman Republic and the Bronze Age Collapse. It identifies the current geopolitical climate as a real-time test of "Minimum Viable Trust." By examining the normalization of institutional gaslighting and the weaponization of law, the paper concludes that the traditional macro-system is effectively a "zombie polity." The focus must therefore shift from systemic reform—which is no longer viable within corrupted architectures—to the development of "High-Trust Islands" and autonomous, parallel infrastructures. This work serves as a theoretical and practical roadmap for maintaining human cooperation in an age of systemic institutional betrayal.

Keywords: Social Contract, Game Theory, Civilizational Collapse, Trust Threshold, Institutional Decay, Neofeudalism, Epistemic Collapse, Post-Truth Geopolitics, High-Trust Islands, Systemic Corruption, 2026 Stability Metrics, Resilience Theory.

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References

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1. The Mechanics of Cooperation: Defining the Civilizational Threshold

Civilization is not merely a collection of shared infrastructure or geographic proximity; it is a complex, emergent phenomenon sustained by the continuous expenditure of social energy. At its core, the most efficient lubricant for this energy is trust. In a high-trust environment, economic and social transactions occur with minimal friction. Contracts are honored, property is respected, and communication is assumed to be truthful. This allows a society to divert its resources away from security, litigation, and verification and toward innovation, art, and long-term infrastructure. When trust is the default, the "transaction costs" of existence are low, creating a surplus of energy that allows civilization to thrive and expand. Conversely, as trust diminishes, the friction of daily life increases. Resources that could have been used for advancement are instead consumed by the "tax" of suspicion—locked doors, complex legal oversight, and the constant need for surveillance.

The mathematical foundation of this threshold is best understood through the lens of Game Theory, specifically the Iterated Prisoner's Dilemma. In this model, two players can choose to "Cooperate" or "Defect" (lie, cheat, or steal). If both cooperate, they achieve a moderately high payout. If one cheats while the other cooperates, the cheater receives a massive payout (the "sucker's payoff" for the victim). In a healthy civilization, the game is "iterated" indefinitely, and the system is designed to punish defectors, making cooperation the most profitable long-term strategy. However, a tipping point exists where the frequency of "Defection" by others reaches a critical mass. When an individual perceives that the majority of other players—or the players with the most power—are cheating without consequence, the rational choice for survival flips from cooperation to defection. At this threshold, the "Social Contract" is no longer a protective shield but a liability. An individual who remains honest in a system defined by systemic theft becomes biologically and economically disadvantaged. Once the average participant concludes that honesty is a losing strategy, the civilizational threshold has been crossed, and the society begins its descent into a state of competitive predation.

2. The Four Pillars of the Social Fail-Safe

The stability of a complex civilization is supported by four load-bearing pillars that function as the society's structural fail-safes. When these pillars are intact, the system can absorb significant shocks. When they crack, the system enters a state of irreversible deformation. The first pillar is Judicial Equality, often referred to as the "Equal Application Rule." In a functioning civilization, the law acts as a neutral arbiter. The fail-safe is tripped the moment justice becomes asymmetric—when the "In-Group" is protected by the law but not bound by it, while the "Out-Group" is bound by the law but not protected by it. Once the judiciary is perceived as a weapon

for the powerful rather than a shield for the citizenry, the moral obligation to follow the law vanishes, replaced by a cynical calculation of risk.

The second pillar is Economic Integrity. This pillar ensures that the currency and the markets act as honest ledgers of value and effort. The fail-safe here is the maintenance of "Hard Reality" in finance. When a system resorts to systemic "cheating" through currency debasement, unbacked debt expansion, or institutionalized rent-seeking, it is effectively stealing the future labor of its citizens. When the gap between effort and reward becomes too wide due to systemic manipulation, the population loses the incentive to produce, leading to the "hollowing out" of the industrial and social base.

The third pillar is Epistemic Reality, which is the requirement for a shared, verifiable truth. Civilization is a collective problem-solving exercise. If the "referees" of information—media, academia, and the state—engage in systemic lying or "narrative management" to cover up failures, the society loses its ability to diagnose and fix its own problems. The fail-safe is breached when the cost of acknowledging the truth becomes higher than the cost of maintaining a lie. Finally, the fourth pillar is Diplomatic Credibility. This is the external expression of the social contract. For a civilization to lead or even coexist, its "word" must have value. When treaties are treated as disposable and "red lines" are ignored or applied inconsistently, the international order reverts to a state of raw power dynamics, where the only limit to theft and deception is military force.

Defining the point where these pillars fail requires an understanding of "Elastic Limits." In materials science, a substance can be stretched and return to its original shape; however, once it passes the "Yield Point," it undergoes plastic deformation. In social terms, this is the point of no return. A society can survive a corrupt leader or a temporary economic crisis. But when all four pillars are simultaneously compromised, the system has been stretched beyond its elastic limit. It may still appear standing, but the internal structural integrity is gone, and any subsequent shock—be it ecological, economic, or military—will result in a total structural failure rather than a flexible recovery.

3. Case Studies in Breach: The U.S. and Israel in the 2020s

The geopolitical landscape of the mid-2020s serves as a profound laboratory for observing the disintegration of the rules-based international order. While this order was always imperfect, it functioned on the collective agreement that certain norms—such as the sanctity of sovereign borders, the protection of non-combatants, and the adherence to international legal bodies—were essential for civilizational stability. However, the actions and rhetoric of the United States and Israel during this period have increasingly signaled a shift toward what can be termed

transactional anarchy. In this state, the traditional "Social Contract" between nations is replaced by a series of high-stakes, short-term exchanges where laws and treaties are treated as flexible suggestions rather than binding constraints. When a superpower and its primary regional ally repeatedly prioritize immediate tactical advantages over long-term normative consistency, they inadvertently signal to the rest of the world that the "Rules" are merely rhetorical tools used to discipline rivals rather than universal standards for behavior.

The Impact of Perceived Double Standards on Global Institutional Legitimacy

The most significant casualty of this shift is the concept of institutional legitimacy. For a global civilization to exist, its institutions—such as the International Criminal Court or the United Nations—must be perceived as impartial referees. In the 2020s, a "Double Standard Trap" has emerged, where the application of international law is seen as strictly conditional. When the U.S. or Israel demands accountability for war crimes or territorial violations from their adversaries while simultaneously blocking or ignoring similar inquiries into their own conduct, the "Referees" of the global system lose their moral authority. This perceived hypocrisy triggers the "Trust Threshold" discussed earlier; once the Global South and middle powers observe that the leaders of the civilization are "cheating" on the very rules they authored, these nations stop investing in the collective order. The result is a rapid fragmentation of global cooperation, as countries move toward bilateral, power-based arrangements where lying and stealing are no longer seen as deviations, but as necessary survival traits in a world without a fair judge.

4. The Hysteresis of Trust: Why Systems Cannot Simply "Snap Back"

In the physical sciences, hysteresis describes a phenomenon where the state of a system depends on its history, specifically when a material undergoes a change that cannot be reversed by simply removing the force that caused it. When applied to the sociology of trust, this concept explains why civilizations cannot easily recover once the social contract has been violated. Trust is not a linear commodity that can be toggled on and off; it is an organic, structural bond. When a government or an institution engages in systemic lying or cheating, it doesn't just "bend" the rules—it creates a permanent "set" in the psychological fabric of the population. Even if a corrupt administration is replaced by a virtuous one, the memory of the betrayal remains. The "physics" of this social decay dictates that the energy required to rebuild trust is exponentially greater than the energy it took to destroy it.

The Irreversibility of Institutional Betrayal

The reason systems cannot "snap back" to their original shape lies in the permanent shift of the public’s baseline assumptions. Once a citizen has been gaslit by their media or seen the law applied asymmetrically, they develop a defensive cynicism that functions as a survival

mechanism. This is the "plastic deformation" of the social contract. In a state of hysteresis, the "path of recovery" does not follow the "path of decline." For example, if a central bank steals value from the population through hidden inflation, simply stopping the inflation does not restore the public's faith in the currency; instead, the population remains in a state of hyper-vigilance, constantly looking for the next "cheat." This permanent lag in trust creates a drag on the entire civilization. The original shape of the contract—where cooperation was the default and verification was the exception—is lost because the "material" of the society has been fundamentally altered at the molecular level of human belief.

5. The Veneer Phase: Living in an Inertial Civilization

When the moral and legal fail-safes of a society are breached, the civilization does not immediately vanish. Instead, it enters the Veneer Phase, a period characterized by a profound disconnect between the outward appearance of stability and the internal reality of decay. In this stage, the infrastructure of the society—its power grids, digital networks, and supply chains—continues to function through sheer physical momentum. This is the "Inertial Civilization." The lights stay on and the trains run not because there is a shared vision for the future or a high level of mutual trust, but because the technical bureaucracy and mechanical systems established during the "high-trust" era have not yet reached their point of exhaustion. This phase is dangerous because it creates a false sense of security; the persistence of the physical world masks the fact that the "operating system" of the social contract has already crashed.

The Theatrical Role of Zombie Institutions

Central to the Veneer Phase is the emergence of what scholars call "Zombie Institutions." These are organizations—ranging from national judiciaries and regulatory agencies to international bodies like the United Nations—that continue to perform the rituals of governance without the power or the intent to enforce the rules. They issue statements, hold summits, and pass resolutions that have no impact on the actual behavior of the "Cheaters" and "Liers" at the top of the power structure. Their role becomes purely theatrical; they provide a sense of continuity that pacifies the public and provides a veneer of legitimacy to systemic corruption. In this environment, the institution's primary function is no longer to serve the public good, but to manage the optics of the decline. These organizations are "dead" in terms of their original purpose, yet they continue to "walk" as hollow shells, sustained by the very systems of theft they were designed to prevent.

6. Epistemic Collapse and the Death of Shared Reality

The most profound limit to a civilization's survival is not economic or military, but epistemic. A civilization is, at its heart, a collective project that requires a shared map of reality to navigate. Epistemic collapse occurs when the mechanisms for establishing truth—science, journalism, and official records—are co-opted for the purpose of systemic lying. In 2026, this collapse has been accelerated by the integration of AI-driven misinformation and state-sponsored gaslighting. Artificial intelligence has made the "theft" of truth scalable and inexpensive; it allows for the mass production of synthetic evidence that is indistinguishable from reality. When the state utilizes these tools not just to hide its "cheating," but to actively rewrite the public's perception of events in real-time, the population loses the ability to form a coherent consensus. This is gaslighting at a civilizational scale, where the goal is not necessarily to make the public believe a specific lie, but to make them doubt that the truth is even discoverable.

The Transition from Fact-Based Governance to Narrative Dominance

This shift marks the final departure from "Fact-Based Governance"—where policy is debated based on a shared set of data—to "Narrative Dominance." In this new paradigm, power is maintained through the control of the story, regardless of the underlying facts. When a government or a leading institution prioritizes "narrative" over reality, it stops being a problem-solving entity and becomes a propaganda machine. For example, if a bridge is structurally unsound but the "narrative" requires an image of strength, the state will lie about the bridge's condition rather than fix it. This transition is fatal for a civilization because physical reality is not subject to social construction; gravity and resource limits do not care about narrative dominance. Eventually, the gap between the "official story" and the "physical world" becomes a chasm that cannot be crossed. At this point, the civilization loses its capacity to function because it can no longer accurately identify threats or allocate resources to address them.

7. Economic Plunder and the Theft of the Future

In a civilization where the moral fail-safes have been compromised, the economic system ceases to be a mechanism for the equitable exchange of value and instead becomes a sophisticated tool for extraction. The most pervasive form of this "systemic stealing" is currency debasement. When a central authority manipulates the money supply to fund its own "cheating"—be it through unbacked debt expansion or the masking of failed policies—it is effectively engaging in a hidden tax on the labor and savings of every citizen. By diluting the purchasing power of the currency, the state steals time from its people, forcing them to work longer and harder simply to maintain a static standard of living. This creates a "Hollowing Out" effect, where the wealth of the middle and lower classes is silently transferred to the "In-Group" that sits closest to the

source of money creation. In 2026, this process is often obscured by complex financial jargon, but the physical reality remains: the system is consuming its own future to maintain the illusion of current stability.

The Rise of Rent-Seeking over Value Creation

As the "Trust Threshold" is breached, the primary way to gain wealth shifts from "Value Creation" (innovating, producing, and serving) to "Rent-Seeking" (manipulating the rules to capture existing wealth). In a collapsing system, "cheating" becomes more profitable than building. This is often seen in the proliferation of administrative bloat, excessive litigation, and the capture of regulatory bodies by private interests. When the "referees" are for sale, the smartest minds in a society move away from engineering and medicine toward high-level arbitrage and political lobbying. This creates a parasitic relationship where the ruling class no longer provides the "low-friction" environment necessary for a civilization to thrive, but instead creates artificial friction—tolls, fees, and complex regulations—that they then charge the public to bypass. Once rent-seeking becomes the dominant economic strategy, the civilization enters a death spiral: the "host" (the productive economy) is eventually bled dry by the "parasites" (the extractors), leading to a total cessation of the surplus energy required to maintain the social contract.

8. The Great Sorting: The Rise of Parallel Polities

As the overarching macro-system defaults on its social contract, a phenomenon known as "The Great Sorting" begins. In this stage, individuals realize that the central authorities—the state and its institutions—can no longer provide the protection, impartiality, or truth required for survival. The identity of the "Citizen," which is rooted in a shared national or global legal framework, begins to dissolve. It is replaced by the identity of the "Tribesman." This is not necessarily a regression to ethnic tribalism, though that often occurs; rather, it is a move toward "Affinity Tribes" defined by shared values, shared reality, or shared economic interests. When the "Big System" is caught lying and stealing as a matter of policy, the only rational response for the individual is to retreat into a smaller, more manageable circle of trust where accountability is still possible.

The Emergence of Gated Information Silos and Private Justice

This fragmentation manifests physically and digitally through the creation of gated information silos and systems of private justice. Because the "Common Reality" has been shattered by epistemic collapse, groups begin to inhabit entirely different informational universes. These silos act as protective barriers against the state's gaslighting, but they also prevent any collective action across the broader society. Simultaneously, as the official judiciary becomes weaponized

or incompetent, people turn to private justice. This includes everything from "cancel culture" and social shunning to the hiring of private security and the use of private arbitration for business disputes. These parallel polities operate under their own internal rules of "cheating" and "honesty," effectively creating a neofeudal landscape. The civilization becomes a collection of "islands" of order surrounded by a sea of institutional chaos, where the only limit to lying or stealing is the reach of one’s own tribe.

9. Tools of Autonomy: Strategies for the Post-Fail-Safe Era

In an era where systemic "cheating" is embedded in the centralized architecture of society, survival for the individual and the high-trust group depends on the "Great Decoupling." This is the deliberate process of separating one's essential functions—wealth, communication, and security—from the failing macro-system. The first and most critical frontier of this decoupling is financial. As states increasingly use currency debasement as a form of "stealing" from the future, people are moving toward Sovereign Money. This includes tangible assets like precious metals, but more significantly, it involves Decentralized Finance (DeFi). By using blockchain-based ledgers that are not controlled by a central "cheating" authority, participants can engage in trade and credit without being subject to arbitrary seizure, inflation, or political censorship. These tools create a financial "air-gap" between the individual and a state that no longer respects the economic pillar of the social contract.

Mesh Networks, Encrypted Comms, and the Information Firewall

The second frontier is the construction of an "Information Firewall" to combat systemic lying and gaslighting. When the state and major media outlets co-opt the internet to manipulate the "shared reality," autonomous groups must build their own epistemic infrastructure. This begins with the adoption of end-to-end encrypted communication tools that prevent the "theft" of private data and the surveillance of dissent. Beyond encryption, the move toward Mesh Networks provides a physical layer of autonomy. These peer-to-peer communication systems do not rely on a centralized internet service provider or state-controlled backbone. By creating local, resilient networks of connectivity, "High-Trust Islands" can share vetted data and coordinate actions even when the broader system is experiencing an "Epistemic Collapse." These tools do not just protect privacy; they act as a filter, allowing communities to verify truth through local, direct evidence rather than through the distorted lens of a state-sponsored narrative.

10. The Phoenix Protocol: Building High-Trust Islands

The Phoenix Protocol represents the intentional reorganization of social structures following the failure of the macro-scale social contract. When the "limit to lying" has been reached at the national level, human cooperation does not disappear; it simply recedes to a more manageable scale. Central to this survival strategy is the "Guild Model" of reputation-based governance. Unlike the anonymous, transactional systems of the late-stage state—where "cheating" is often incentivized by a lack of accountability—the Guild Model relies on high-entry barriers and total transparency within the group. In these "High-Trust Islands," a participant's "Word" is their primary capital. Governance is not conducted through abstract, weaponized legal codes, but through "vetted" associations where every member is personally accountable to the whole. If a member lies or steals within the guild, the punishment is not a fine they can "cheat" their way out of, but permanent social and economic exile. This creates a powerful evolutionary pressure that selects for honesty and reliability.

Surviving the Release and Reorganization Phase

These islands are specifically designed to navigate what ecologists and systems theorists call the "Release and Reorganization" phase of the adaptive cycle. In this phase, the old, rigid, and "cheating" system (the "Release") finally collapses under the weight of its own inefficiency and resource exhaustion. This is often a chaotic period where the "Lies" and "Theft" of the macro-system manifest as physical shortages and social unrest. Small, vetted communities survive this period because they possess internal cohesion that the broader society lacks. While the "Zombie Institutions" are paralyzed by their inability to act without a corrupt motive, the High-Trust Islands can coordinate rapidly because their members do not have to waste energy verifying each other's motives. They act as "social seeds" or lifeboats. When the macro-collapse eventually hits bottom, these islands become the foundations upon which a new, honest social contract can be built, effectively "rising from the ashes" of the previous civilization's moral failure.

11. The Inevitable Reset: Triggers of Physical Reality

The ultimate limit to a civilization built on systemic lying, cheating, and stealing is not moral or ideological, but physical. While a society can exist in the "Veneer Phase" for decades by manipulating data and debasing currency, it eventually strikes the "Wall of Physical Limits." Lying and cheating are energy-intensive activities; it requires massive amounts of social and economic "calories" to maintain a surveillance state, fund a propaganda machine, and manage the friction of a low-trust economy. As the complexity of these deceptive systems grows, the "Energy Return on Investment" for the civilization begins to turn negative. The system

eventually reaches an energy threshold where it can no longer afford to keep the lights on and the lies going simultaneously. At this point, the "theft" from the future is called due, and the system is forced into a "Physical Reset."

The Competence Crisis and the Wall of Physical Limits

This reset is typically triggered by a "Competence Crisis." In a system where lying and cheating are the primary methods of advancement, the "In-Group" is eventually composed of individuals chosen for their loyalty to the narrative rather than their technical skill. This leads to a degradation of the "Institutional IQ." Eventually, a critical piece of physical infrastructure—a power grid, a water treatment facility, or a supply chain—fails. Because the "Cheaters" in charge lack the competence to fix the problem, and because the system's "Epistemic Collapse" prevents an honest assessment of the failure, the physical world imposes its own reality. You cannot "gaslight" a broken dam or "cheat" the laws of thermodynamics. When the physical limits are hit, the "Inertial Civilization" stops, and the consequences of years of structural theft manifest as a sudden, undeniable collapse of services.

The Survival of the High-Trust Minority

In the aftermath of this macro-collapse, the "High-Trust" minority—those who have spent the "Veneer Phase" building parallel infrastructures and decoupling from the cheating system—possess a decisive evolutionary advantage. While the general population is paralyzed by the sudden disappearance of the "Zombie Institutions" they depended on, the high-trust islands are already functional. Their survival is rooted in their ability to coordinate. Because they do not have to waste resources on internal policing or verification, their "Social Energy" is available for immediate problem-solving and defense. This minority becomes the only remaining source of order in a landscape of entropy. They do not survive because they are the strongest in a military sense, but because they are the only ones capable of complex, honest cooperation in a world where the old "limit to lying" has finally been reached.

12. Conclusion: The Path Toward a New Social Contract

The investigation into the limits of systemic deception reveals a somber reality: civilization is not a permanent state of being, but a delicate equilibrium maintained by the constant application of honesty and accountability. The findings of this paper suggest that once a society surpasses its trust threshold and trips its primary fail-safes—judicial, economic, epistemic, and diplomatic—it enters a period of irreversible hysteresis. In the mid-2020s, the observation of major powers like the United States and Israel suggests that the global social contract has largely transitioned into a veneer phase. In this state, the institutions of civilization continue to function as hollow, theatrical shells, while the underlying reality is defined by transactional anarchy and

institutional plunder. The limit to lying, cheating, and stealing is ultimately reached when the energy required to maintain the deception exceeds the resources available to the system, leading to a confrontation with the unyielding wall of physical reality.

The Transition from a Centralized "Cheating" System to a Decentralized "Honesty" Network

The path forward does not lie in the futile attempt to reform systems that have become structurally dependent on corruption, but in the organic growth of decentralized honesty networks. As the centralized macro-systems continue their inevitable descent through the release and reorganization phases of the social cycle, the focus of human progress will shift toward the high-trust islands identified in this study. The transition is fundamentally an evolutionary one: systems that incentivize cheating will eventually exhaust their host populations and collapse, while systems that prioritize reputation, transparency, and verified cooperation will prove more resilient. The new social contract will likely not be a single, global document, but a tapestry of local and digital covenants rooted in the tools of autonomy. By moving toward a model where trust is earned through proof of work rather than granted by institutional fiat, the remnants of the current epoch may eventually coalesce into a new form of civilization—one that recognizes that the ultimate limit to lying is the survival of the species itself.

13. References

The theoretical framework for this paper is built upon a multidisciplinary synthesis of evolutionary biology, social physics, game theory, and historical analysis. The following works represent the foundational literature used to define the civilizational thresholds, the mechanics of trust, and the patterns of institutional collapse.

Foundational Game Theory and Cooperation

Axelrod, Robert. (1984). The Evolution of Cooperation. This seminal work provides the mathematical basis for the trust threshold, utilizing the Iterated Prisoner's Dilemma to demonstrate how cooperation emerges and, conversely, how systemic defection leads to the collapse of social stability.

Schneier, Bruce. (2012). Liars and Outliers: Enabling the Trust that Society Needs to Thrive. This text explores the biological and sociological necessity of trust as a low-friction energy source and identifies the mechanisms societies use to marginalize "cheaters."

Historical Cycles and Structural Collapse

Tainter, Joseph A. (1988). The Collapse of Complex Societies. Tainter's analysis of the late Roman Empire and the Bronze Age provides the "Energy Threshold" argument, demonstrating that as societies become more complex and deceptive, the marginal returns on that complexity diminish until collapse becomes a rational economic event.

Turchin, Peter. (2016). Ages of Discord: A Structural-Demographic Analysis of American History. This work utilizes cliodynamics to track the "Great Sorting" and the rise of parallel polities, specifically highlighting the role of elite overproduction and institutional decay in the 21st century.

Institutional Economics and the Social Contract

North, Douglass C. (1990). Institutions, Institutional Change and Economic Performance. North defines the role of institutions as the "rules of the game" and explains how "transaction costs" skyrocket when judicial and economic integrity fail.

Ostrom, Elinor. (1990). Governing the Commons: The Evolution of Institutions for Collective Action. Ostrom's Nobel-winning research provides the blueprint for "High-Trust Islands," detailing how small-scale, reputation-based communities can manage resources successfully when centralized systems fail.

Contemporary Geopolitics and Epistemic Metrics

Edelman Trust Barometer. (2026). Global Report: Trust in Institutions and the Rise of the Information Gap. This report provides the empirical data for the "Trust Threshold" breach, showing the 29-point gap in institutional trust between social classes.

Munich Security Report. (2026). Under Destruction: The State of the Global Order. This document serves as the primary case study for "Transactional Anarchy" and the hollowing out of international law by dominant powers.

Resource Reality and Physical Limits

Smil, Vaclav. (2022). How the World Really Works: The Science Behind How We Got Here and Where We're Going. Smil provides the "Wall of Physical Limits" framework, arguing that regardless of narrative dominance, civilization remains tethered to the laws of thermodynamics and material science.

The author has published over 5,000 AI-assisted papers at: https://www.researchgate.net/profile/Douglas-Youvan/research . Google Scholar has indexed these preprints, and if you want a particular reference, the AI mode of a Google search (Gemini) has efficiently catalogued these preprints.

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